Adding Event Definition for UNIX or Windows Job

This section covers the following topics:

- Adding an Event Definition
- Field Descriptions
- Exit Code Check Error Handling

Adding an Event Definition

To add an event to be checked at job termination

1. Press PF2 (Add) in the End-of-Job Checking and Actions screen.
2. A window opens in which you can enter the event definition:

```
 20.11.01                *** Entire Operations 4.1.1 ***              14:26:40
 Ow +--------------------------------------------------------------------+
 Ne !                                                                    !
 -- !                 Add Event Definition                               ! ---
 C  !                                                        HP-UX       ! OA
 _  !    Event Type ==> _  X  Exit Code      J  Job special event        !
 _  !                       R  User Routine   A  Add. Job-ok, Job-not-ok !
 _  !                       S  String                                    !
 _  !                                                                    !
 _  !                                                                    !
 _  !  Exit Code is ==> __ than ==> 0___                                 !
 _  !                                                                    !
 _  !  User Routine ==> _____ in NATURAL Library ==> _____         !
 ** !                                                                    ! ***
 _  !  String  ==> _____       missing ==> _     !
 _  !  in File ==> _____     !
 -- !                                                                    ! ---
 A  !                                                                    ! her
 P  !  Occurrence of event means OK or NOT OK ==> __                     ! Rtn
    !                                                                    !
 Co ! Enter-PF1---PF2---PF3-----------PF5----------------------PF12-- !
 Ent !      Help  Add   End           Save                      Menu  ! ---
    +--------------------------------------------------------------------+
```

Field Descriptions

Meaning of the input fields:

Field	Description	
Event Type	Type of event to be checked. Possible values:	
	A	Additional definition for job ok or job not ok. See Example of an A-type Event.
	J	Special event during job execution. See Example of a J-type Event.
	R	Job sysout is to be checked by a user routine. See Example of an R-type Event.
	S	Occurrence of a specific string in job sysout. See Example of an S-type Event. **Note:** A string search in a non-existent file is handled like string not found in an existing file.
	X	Exit Code Check. This function allows you to check the exit code of a UNIX or Windows job. The result of the event comes from the exit code of a script under UNIX or Windows or from the exit code of a program executable under Windows. **Note:** A standard check for the exit code can be defined in the Entire Operations defaults. **Windows:** Checking this event only works with Windows NT Version 4.0 or higher as the System variable *%errorlevel%* is used. See also Exit Code Check Error Handling.
User Routine	(for an **R-type** event) Name of the user routine which is to run on job termination. See the subsection Editing End-of-Job User Routines.	
in Natural Library	(for an **R-type** event) Natural library in which the user routine resides. This library should be different from the Entire Operations system library.	
String	(for an **S-type** event) Specify the actual string in the job sysout for which Entire Operations is to check.	
(String) missing	(for an **S-type** event) If you enter **Y** here, the event occurs if the string is not found.	
in File	(for an **S-type** event) If you leave this field **blank**, Entire Operations searches for the **String** in the sysout collection file created by the Entire Operations Monitor. You can enter another file here to be searched instead. If the file name contains the activation escape character, a symbol replacement is performed (from the active symbol table). The updated file name is stored in the active database.	
Occurrence of event means OK or NOT OK	Specify event check status if the defined event occurs. Possible values:	
	OK	Check **ok**.
	NO	Check **not ok**.
	--	No effect on the job result.

When you are finished defining the event, you can proceed in one of the following ways:

- If you defined an R-type event, you can enter **E** in the line command field of the event on the End-of-Job Checking and Actions screen and press Enter to define the user routine using the Entire Operations Editor. (See the subsection Editing End-of-Job User Routines.)
- Press PF2 (Add) to save the definition and clear the window to add another event. You can define any number

of events for any one job.
- Press PF5 (Save) to save the event definition(s).
- Press PF3 (End) to close the window and return to the End-of-Job Checking and Actions screen. The new events are listed on this screen.

Exit Code Check Error Handling

If a sysout file read error occurs while the Monitor is trying to read the exit code from the job sysout, this error will be treated as a temporary error.
The Monitor will attempt to read the exit code up to 10 times. The time between the attempts is equal to the Monitor wait time.
If there is still no success after 10 attempts, the job will be set to the status 'permanent error'.